RODEO™ VIDEO RECORDER

Records high-performance cameras at...
the Studio, Stadium, Laboratory or Test Range

APPLICATIONS

Multi-Camera Motion Recording

Volumetric Video Capture

4D Face/Body Scanning

Athletic Motion Recording

Test Range Recording

Industrial Troubleshooting

FEATURES INCLUDE:

- Records from IOI or third party cameras with CoaXPress or Camera Link video interface
- Reliable FPGA-based recording to internal SSD
- 10 Gigabit Ethernet (copper/fiber) for control, video streaming and high speed file download
- Low-latency SDI live video output
- Compact one-piece rugged design
- Intuitive software to easily connect, control and synchronize multiple DVRs and cameras
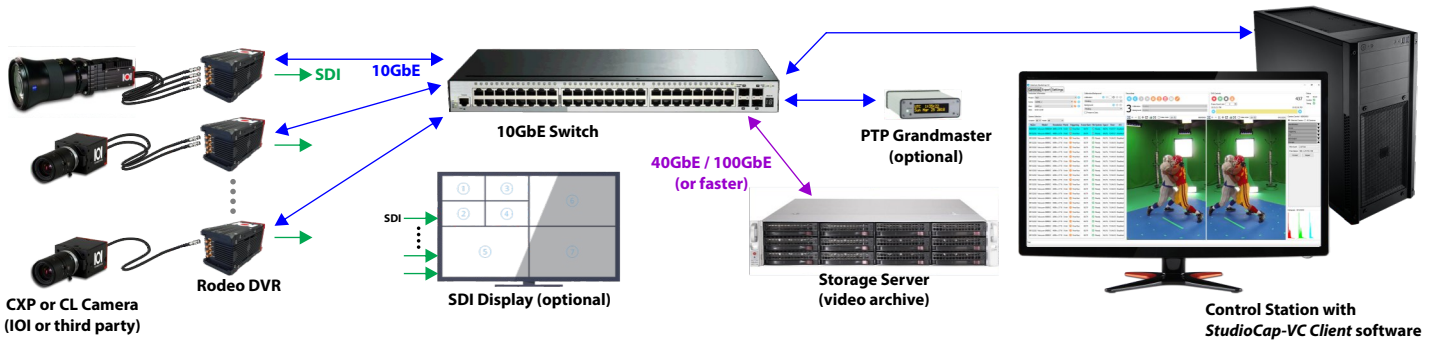
IOI IO INDUSTRIES

SPECIFICATIONS

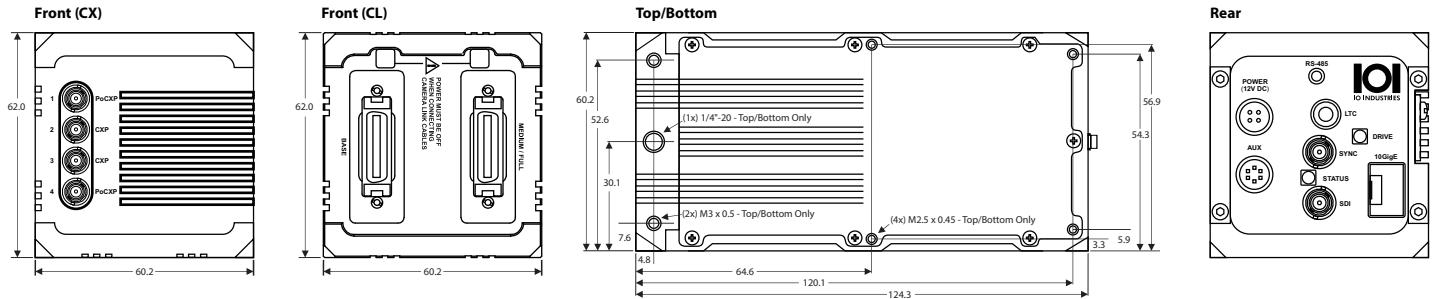|	
Video Input	CoaXPress video from a single camera via 1/2/4 coaxial connections (max. 12.5 Gbps per link, max. 25 Gbps total). Camera Link video from a single camera via 1-2 connections (CL-Base/Medium/Full/80-bit, max. 85MHz clock rate).
Internal Recording	Lossless-compressed (CX) or uncompressed (CL) RAW recording to internal SSD (up to 7680GB capacity).
10 Gigabit Ethernet	Fast network interface for DVR/camera configuration, recording control, live and playback video streaming, and high-speed file transfer. SFP+ port allows various connectivity options including optical fiber or copper cabling.
PTP Synchronization	IEEE1588 Precision Time Protocol can be used for frame timestamping and camera exposure synchronization.
SMPTE LTC Input	LTC reference can be used for frame timestamping and camera exposure synchronization.
SDI Video Output	Live video monitoring via 12G/6G/3G/HD-SDI, supports UHD/HD up to 60fps.
Tri Level Sync Input	SMTPE HD sync reference can be used for camera exposure synchronization.
Additional I/O	TTL input/output (2-in, 3-out) for interaction with nearby devices, remote recording control, etc.
Control Software	IO Industries StudioCap-VC software or custom-developed application using StudioCap-VC SDK.
Mechanical/Electrical	
Dimensions / Weight	60.2 mm (W) x 62.0 mm (H) x 124.3 mm (D), 590g
Power Requirements	12V DC, approx. 14W, plus power for camera (PoCXP/PoCL). Universal AC Adapter available (RODEOPWR).
Operating Temperature	0°C to 30°C, 20-85% humidity (non-condensing).

SAMPLE CONFIGURATION

CXP or CL Camera (IOI or third party) — Rodeo DVR — SDI — 10GbE — 10GbE Switch — SDI Display (optional) — 40GbE / 100GbE (or faster) — PTP Grandmaster (optional) — Storage Server (video archive) — Control Station with *StudioCap-VC Client* software

MECHANICAL DIAGRAMS

Front (CX)   Front (CL)   Top/Bottom   Rear

ORDERING

Part Number	Description
RODEOCX-VC	DVR, Rodeo, CoaXPress 2.0, Single Camera, CXP-6 Quad-Link or CXP-12 Dual-Link, embedded StudioCap-VC license (1yr)
RODEOCL-VC	DVR, Rodeo, Camera Link, Single Camera, CL-Base/Medium/Full/80-bit, embedded StudioCap-VC license (1yr)
RODEOPWR	AC Power Adapter (Universal), for Rodeo models
CABRODEOIO	Cable, I/O Breakout to (2) BNC, for Rodeo models
VIDIOMODxxxxM2	VidIO Drive Module, M.2, various capacities

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Specifications subject to change without notice